\_\_\_\_\_\_

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2009; month=5; day=28; hr=8; min=32; sec=48; ms=413; ]

\_\_\_\_\_\_

## Validated By CRFValidator v 1.0.3

Application No: 10680035 Version No: 3.0

Input Set:

Output Set:

**Started:** 2009-05-11 15:34:55.552

Finished: 2009-05-11 15:34:59.164

Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 612 ms

Total Warnings: 63

Total Errors: 0

No. of SeqIDs Defined: 63

Actual SeqID Count: 63

Error code		Error Description									
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(1)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(2)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(3)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(4)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(5)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(6)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(7)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(8)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(9)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(10)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(11)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(12)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(13)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(14)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(15)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(16)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(17)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(18)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(19)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(20)

Input Set:

Output Set:

**Started:** 2009-05-11 15:34:55.552 **Finished:** 2009-05-11 15:34:59.164

**Elapsed:** 0 hr(s) 0 min(s) 3 sec(s) 612 ms

Total Warnings: 63
Total Errors: 0

No. of SeqIDs Defined: 63

Actual SeqID Count: 63

Error code Error Description

This error has occured more than 20 times, will not be displayed

## SEQUENCE LISTING

```
<110> Hemoteq GmbH
<120> Oligopeptides as Coating Material for Medical Products
<130> HEM-P01078WO
<140> 10680035
<141> 2009-05-11
<150> PCT / EP2004 / 011117
<151> 2004-10-05
<160> 63
<170> PatentIn version 3.3
<210> 1
<211> 4
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<400> 1
Asp Glu Val Asp
<210> 2
<211> 4
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<400> 2
Tyr Val Ala Asp
<210> 3
<211> 6
<212> PRT
<213> Unknown
<220>
<223> unsure or organism origin
```

```
<221> misc_feature
<222> (5)..(5)
<223> Xaa can be any naturally occurring amino acid
<400> 3
His Phe Arg Trp Xaa Lys
     5
<210> 4
<211> 7
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (5)..(6)
<223> Xaa can be any naturally occurring amino acid
<400> 4
His Phe Arg Trp Xaa Xaa Lys
     5
<210> 5
<211> 8
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (5)..(7)
<223> Xaa can be any naturally occurring amino acid
<400> 5
His Phe Arg Trp Xaa Xaa Xaa Lys
<210> 6
<211> 9
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
```

```
<221> misc_feature
<222> (5)..(8)
<223> Xaa can be any naturally occurring amino acid
<400> 6
His Phe Arg Trp Xaa Xaa Xaa Lys
             5
<210> 7
<211> 10
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (5)..(9)
<223> Xaa can be any naturally occurring amino acid
<400> 7
His Phe Arg Trp Xaa Xaa Xaa Xaa Lys
      5
<210> 8
<211> 7
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (5)..(5)
<223> Xaa can be any naturally occurring amino acid
<400> 8
His Phe Arg Trp Xaa Lys Pro
   5
<210> 9
<211> 8
<212> PRT
<213> Unknown
```

<220>

```
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (5)..(6)
<223> Xaa can be any naturally occurring amino acid
<400> 9
His Phe Arg Trp Xaa Xaa Lys Pro
<210> 10
<211> 9
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (5)..(7)
<223> Xaa can be any naturally occurring amino acid
<400> 10
His Phe Arg Trp Xaa Xaa Xaa Lys Pro
<210> 11
<211> 10
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (5)..(8)
<223> Xaa can be any naturally occurring amino acid
<400> 11
His Phe Arg Trp Xaa Xaa Xaa Lys Pro
              5
```

```
<211> 11
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (5)..(9)
<223> Xaa can be any naturally occurring amino acid
<400> 12
His Phe Arg Trp Xaa Xaa Xaa Xaa Xaa Lys Pro
               5
<210> 13
<211> 8
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (5)..(5)
<223> Xaa can be any naturally occurring amino acid
<400> 13
His Phe Arg Trp Xaa Lys Pro Trp
<210> 14
<211> 9
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (5)..(6)
<223> Xaa can be any naturally occurring amino acid
<400> 14
His Phe Arg Trp Xaa Xaa Lys Pro Trp
               5
```

```
<211> 10
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (5)..(7)
<223> Xaa can be any naturally occurring amino acid
<400> 15
His Phe Arg Trp Xaa Xaa Xaa Lys Pro Trp
<210> 16
<211> 11
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (5)..(8)
<223> Xaa can be any naturally occurring amino acid
<400> 16
His Phe Arg Trp Xaa Xaa Xaa Xaa Lys Pro Trp
<210> 17
<211> 12
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (5)..(9)
<223> Xaa can be any naturally occurring amino acid
```

<210> 15

<400> 17

```
His Phe Arg Trp Xaa Xaa Xaa Xaa Lys Pro Trp
<210> 18
<211> 8
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (5)..(5)
<223> Xaa can be any naturally occurring amino acid
<400> 18
His Phe Arg Trp Xaa Lys Pro Val
     5
<210> 19
<211> 9
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (5)..(6)
<223> Xaa can be any naturally occurring amino acid
<400> 19
His Phe Arg Trp Xaa Xaa Lys Pro Val
     5
<210> 20
<211> 10
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
```

<222> (5)..(7)

```
<223> Xaa can be any naturally occurring amino acid
<400> 20
His Phe Arg Trp Xaa Xaa Xaa Lys Pro Val
             5
<210> 21
<211> 11
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (5)..(8)
<223> Xaa can be any naturally occurring amino acid
<400> 21
His Phe Arg Trp Xaa Xaa Xaa Xaa Lys Pro Val
   5
                       10
<210> 22
<211> 12
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (5)..(9)
<223> Xaa can be any naturally occurring amino acid
<400> 22
His Phe Arg Trp Xaa Xaa Xaa Xaa Lys Pro Val
1 5
<210> 23
<211> 5
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
```

```
<220>
<221> misc_feature
<222> (4)..(4)
<223> Xaa can be any naturally occurring amino acid
<400> 23
Phe Arg Trp Xaa Lys
<210> 24
<211> 6
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(5)
<223> Xaa can be any naturally occurring amino acid
<400> 24
Phe Arg Trp Xaa Xaa Lys
<210> 25
<211> 7
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(6)
<223> Xaa can be any naturally occurring amino acid
<400> 25
Phe Arg Trp Xaa Xaa Xaa Lys
              5
<210> 26
<211> 8
<212> PRT
<213> Unknown
<220>
```

```
<220>
<221> misc_feature
<222> (4)..(7)
<223> Xaa can be any naturally occurring amino acid
<400> 26
Phe Arg Trp Xaa Xaa Xaa Lys
<210> 27
<211> 9
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(8)
<223> Xaa can be any naturally occurring amino acid
<400> 27
Phe Arg Trp Xaa Xaa Xaa Xaa Lys
<210> 28
<211> 6
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(4)
<223> Xaa can be any naturally occurring amino acid
<400> 28
Phe Arg Trp Xaa Lys Pro
<210> 29
<211> 7
<212> PRT
```

<223> unsure of organism origin

```
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(5)
<223> Xaa can be any naturally occurring amino acid
<400> 29
Phe Arg Trp Xaa Xaa Lys Pro
<210> 30
<211> 8
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(6)
<223> Xaa can be any naturally occurring amino acid
<400> 30
Phe Arg Trp Xaa Xaa Xaa Lys Pro
<210> 31
<211> 9
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(7)
<223> Xaa can be any naturally occurring amino acid
<400> 31
Phe Arg Trp Xaa Xaa Xaa Lys Pro
```

```
<210> 32
<211> 10
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(8)
<223> Xaa can be any naturally occurring amino acid
<400> 32
Phe Arg Trp Xaa Xaa Xaa Xaa Lys Pro
      5
                          10
<210> 33
<211> 7
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(4)
<223> Xaa can be any naturally occurring amino acid
<400> 33
Phe Arg Trp Xaa Lys Pro Thr
      5
<210> 34
<211> 8
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(5)
<223> Xaa can be any naturally occurring amino acid
<400> 34
```

Phe Arg Trp Xaa Xaa Lys Pro Thr

1 5

```
<210> 35
<211> 9
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(6)
<223> Xaa can be any naturally occurring amino acid
<400> 35
Phe Arg Trp Xaa Xaa Xaa Lys Pro Thr
              5
<210> 36
<211> 10
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(7)
<223> Xaa can be any naturally occurring amino acid
<400> 36
Phe Arg Trp Xaa Xaa Xaa Xaa Lys Pro Thr
    5
<210> 37
<211> 11
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(8)
<223> Xaa can be any naturally occurring amino acid
```

```
<400> 37
```

```
Phe Arg Trp Xaa Xaa Xaa Xaa Lys Pro Thr
<210> 38
<211> 7
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(4)
<223> Xaa can be any naturally occurring amino acid
<400> 38
Phe Arg Trp Xaa Lys Pro Val
<210> 39
<211> 8
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(5)
<223> Xaa can be any naturally occurring amino acid
<400> 39
Phe Arg Trp Xaa Xaa Lys Pro Val
<210> 40
<211> 9
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
```

<221> misc\_feature

```
<222> (4)..(6)
<223> Xaa can be any naturally occurring amino acid
<400> 40
Phe Arg Trp Xaa Xaa Xaa Lys Pro Val
<210> 41
<211> 10
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(7)
<223> Xaa can be any naturally occurring amino acid
<400> 41
Phe Arg Trp Xaa Xaa Xaa Xaa Lys Pro Val
<210> 42
<211> 11
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(8)
<223> Xaa can be any naturally occurring amino acid
<400> 42
Phe Arg Trp Xaa Xaa Xaa Xaa Lys Pro Val
                                   10
<210> 43
<211> 5
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
```

```
<220>
<221> misc_feature
<222> (4)..(4)
<223> Xaa can be any naturally occurring amino acid
<400> 43
His Phe Arg Xaa Lys
<210> 44
<211> 6
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(5)
<223> Xaa can be any naturally occurring amino acid
<400> 44
His Phe Arg Xaa Xaa Lys
<210> 45
<211> 7
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(6)
<223> Xaa can be any naturally occurring amino acid
<400> 45
His Phe Arg Xaa Xaa Xaa Lys
<210> 46
<211> 8
<212> PRT
<213> Unknown
```

```
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(7)
<223> Xaa can be any naturally occurring amino acid
<400> 46
His Phe Arg Xaa Xaa Xaa Lys
<210> 47
<211> 9
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(8)
<223> Xaa can be any naturally occurring amino acid
<400> 47
His Phe Arg Xaa Xaa Xaa Xaa Lys
<210> 48
<211> 6
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(4)
<223> Xaa can be any naturally occurring amino acid
<400> 48
His Phe Arg Xaa Lys Pro
       5
<210> 49
```

<211> 7

```
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(5)
<223> Xaa can be any naturally occurring amino acid
<400> 49
His Phe Arg Xaa Xaa Lys Pro
              5
<210> 50
<211> 8
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(6)
<223> Xaa can be any naturally occurring amino acid
<400> 50
His Phe Arg Xaa Xaa Xaa Lys Pro
<210> 51
<211> 9
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(7)
<223> Xaa can be any naturally occurring amino acid
<400> 51
His Phe Arg Xaa Xaa Xaa Lys Pro
    5
```

```
<210> 52
<211> 10
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(8)
<223> Xaa can be any naturally occurring amino acid
<400> 52
His Phe Arg Xaa Xaa Xaa Xaa Lys Pro
<210> 53
<211> 7
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(4)
<223> Xaa can be any naturally occurring amino acid
<400> 53
His Phe Arg Xaa Lys Pro Thr
              5
<210> 54
<211> 8
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(5)
<223> Xaa can be any naturally occurring amino acid
<400> 54
```

```
<210> 55
<211> 9
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(6)
<223> Xaa can be any naturally occurring amino acid
<400> 55
His Phe Arg Xaa Xaa Xaa Lys Pro Thr
<210> 56
<211> 10
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(7)
<223> Xaa can be any naturally occurring amino acid
<400> 56
His Phe Arg Xaa Xaa Xaa Lys Pro Thr
                                   10
<210> 57
<211> 11
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(8)
<223> Xaa can be any naturally occurring amino acid
```

His Phe Arg Xaa Xaa Lys Pro Thr

```
<400> 57
```

```
His Phe Arg Xaa Xaa Xaa Xaa Lys Pro Thr
      5
<210> 58
<211> 7
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(4)
<223> Xaa can be any naturally occurring amino acid
<400> 58
His Phe Arg Xaa Lys Pro Val
<210> 59
<211> 8
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(5)
<223> Xaa can be any naturally occurring amino acid
<400> 59
His Phe Arg Xaa Xaa Lys Pro Val
<210> 60
<211> 9
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
```

```
<221> misc_feature
<222> (4)..(6)
<223> Xaa can be any naturally occurring amino acid
<400> 60
His Phe Arg Xaa Xaa Xaa Lys Pro Val
<210> 61
<211> 10
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(7)
<223> Xaa can be any naturally occurring amino acid
<400> 61
His Phe Arg Xaa Xaa Xaa Lys Pro Val
     5
<210> 62
<211> 11
<212> PRT
<213> Unknown
<220>
<223> unsure of organism origin
<220>
<221> misc_feature
<222> (4)..(8)
<223> Xaa can be any naturally occurring amino acid
<400> 62
```

His Phe A